



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
WASHINGTON, DC 20350-2000

IN REPLY REFER TO

OPNAVINST 4850.1A
N411D1/2U597925
17 Nov 92

OPNAV INSTRUCTION 4850.1A

From: Chief of Naval Operations

Subj: NAVY ORDNANCE REWORK REQUIREMENTS POLICY

Ref: (a) OPNAVINST 8000.13 (NOTAL)

Encl: (1) Asset Readiness Objectives

1. Purpose. To promulgate policy to guide preparation of biennial Program Objectives Memorandum (POM) and annual budget submissions for rework of Navy ordnance.

2. Cancellation. OPNAVINST C4850.1.

3. Scope. This instruction applies to:

a. Navy commands responsible for preparing POM and budget submissions for rework of Navy ordnance.

b. The non-nuclear ordnance items listed in enclosure (1).

4. Discussion

a. Inventory objectives for Navy war reserve ordnance are developed using the Non-Nuclear Ordnance Requirements (NNOR) model as prescribed by reference (a). This model determines requirements based on many factors, one of which is the maintenance pipeline.

b. The NNOR model makes certain assumptions about the amount of material in the maintenance pipeline in determining the quantity of ready-for-issue items required to execute war plans. Therefore, the rework program must also be based on these assumptions to insure adequate ordnance will be available in a contingency.

c. The quantity of material in the maintenance pipeline is expressed as a percentage of the total quantity of the item in the inventory. Conversely, the quantity not in the pipeline is a measure of ready-for-issue condition material. This quantity defines the Asset Readiness Objective (ARO) used by the NNOR model and is a principle input to ordnance rework requirements determination.



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5. Policy

a. Rework requirements for POM and budget submissions will be calculated to achieve or maintain the following levels:

(1) The asset readiness objectives specified in enclosure (1) for war reserve stocks.

(2) Enough ready-for-issue ordnance to meet peacetime training requirements and research and development test expenditures in each fiscal year.

b. Unfunded rework requirements carried forward from prior years will be phased in future years in a manner to insure that the additional requirement can be absorbed by the rework facilities.

c. Ordnance whose ready-for-issue assets exceed war reserve objectives or which are not required by the scenarios prescribed for planning will not be reworked. Plans for long term-storage of these assets will be developed to insure adequate surveillance and protection for potential future use.

6. Action

a. Deputy Chief of Naval Operations (Logistics) (N4):

(1) Issue war reserve requirements, i.e., the Non-Nuclear Ordnance Requirements (NNOR), each POM cycle and applicable Asset Readiness Objectives (ARO).

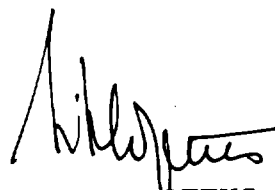
(2) Issue Non-Combat Expenditure Allowances and changes which affect rework requirements.

b. Commands responsible for preparing munitions requirements:

(1) Prepare implementing instructions based on this instruction.

(2) Calculate requirements in accordance with the provisions of this instructions.

7. Effective Date. The provisions of this instruction are effective 1 October 1992.



S. F. LOFTUS
By direction

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ASSET READINESS OBJECTIVES

<u>Threat Weapons</u>	<u>ARO</u>
Cruise Missiles	
HARPOON (AGM/RGM/UGM)	86%
TOMAHAWK	
A	86%
B	86%
C	86%
D	86%
Surface Missiles	
Standard MR	87%
Standard ER	87%
SEASPARROW (IPDSMS)	86%
SEASPARROW (BPDSMS)	86%
STINGER	85%
ROLLING AIRFRAME MISSILE (RAM)	85%
Air Missiles	
SPARROW	80%
SIDEWINDER	86%
PHOENIX	86%
AMRAAM	86%
Torpedoes	
MK46	85%
MK48	83%
ADCAP	85%
MK50	85%
ASROC	85%
VLA	80%
Mines	
MK25	50%
MK52	90%
MK55	90%
MK56	91%
MK57	95%
MK60 CAPTOR	88%
QUICKSTRIKE	95%
MK67 SLMM	91%
DST-115A	50%
MK75 (Destructor Kit)	83%
MK131 STAND-OFF	90%
DST-36	83%

Enclosure (1)

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DST-40	83%
DST-41	83%
MK65	95%
MK130	95%
MK147	95%

Level of Effort Munitions

Ship Gun Ammunition*

3"/50**	77%
5"/38	77%
5"/54	90%
76mm	77%
16"/50**	77%
Surface/Sub Surface Countermeasure	95%

* Stocks for 6"/47 and 8"/55 will be maintained in "as is" condition prior to demil/disposal actions.

** No requirement after FY92

Small Arms and Landing Party Ammo (through .50 Cal)	77%
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CIWS	90%
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Pyrotechnics and Demolition all types	77%
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Other Ship Gun Ammo (Except 25mm 90%)	77%
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Air Munitions

MK82 (UNGUIDED)	90%
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MK83 (UNGUIDED)	83%
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MK84 (UNGUIDED)	77%
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Rockeye	70%
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LGB-82	88%
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LGB-83	88%
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LGB-84	88%
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AIWS BASELINE	95%
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AIWS P3I	95%
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ABF (500 Lb. B/F)	95%
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ABF (IAM) (500 Lb. B/F)	95%
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ABF Unguided (500 Lb. B/F)	95%
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Skipper (Conversion MK83 LGB)	0%
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BLU-109 (IAM)	95%
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CBU-55***	77%
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Enclosure (1)

JATOS	73%
MK77 FIRE BOMB	75%
CBU-72***	77%
TALD	90%
PARAFLARE	82%
5" ROCKET Mtrs/Comps	77%
2.75" ROCKET Mtrs/Comps	90%
ARS Mtrs/Comps	95%
WALLEYE I	91%
WALLEYE I ERDL	91%
WALLEYE II ERDL	91%
GATOR	90%
SMOKEYE	95%
GBU-24 A/B HTP	95%
APAM ***	95%
ACFT GUN AMMO	90%
ABN EXPEND C/M	100%
SONOBUOYS	100%
Missiles	
HARM	92%
TOW II(A)	91%
LASER MAVERICK	91%
IIR MAVERICK	91%
HELLFIRE	93%
SIDEARM	91%
SHRIKE	76%
PENGUIN	86%
SLAM	85%
TOW (Basic)	80%

*** Stocks for CBU-55/72 and APAM will be maintained in "as is" condition prior to demil/disposal actions.